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Dated: April 19, 2006

Signature: 

(Kevin J. Calhoun)

  
Docket No.: MWS-110  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Ricardo E. Paxson *et al.*

Application No.: 10/783624

Confirmation No.: 7212

Filed: February 20, 2004

Art Unit: 2123

For: METHOD AND APPARATUS FOR  
IMPROVED SIMULATION OF CHEMICAL  
AND BIOCHEMICAL REACTIONS

Examiner: Not Yet Assigned

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (SIDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.97, Applicants hereby make of record the following additional documents. A PTO Form SB/08 and a full copy of each of the documents required under 37 CFR 1.98(a)(2) accompany this statement.

Applicants have become aware of the following documents, cited in an International Search Report issued March 20, 2006, during the prosecution of International Application No. PCT/US2005/005303, which corresponds to the above referenced application, and in accordance with 37 CFR 1.97(c) and (e)(1) or (b)(3), hereby submit these documents for the Examiner's consideration. These documents are cited on the enclosed PTO Form SB/08, and a copy of the International Search Report and of each document required under 37 CFR 1.98(a)(2) cited thereon are enclosed as well.

Applicants have not submitted copies of each cited U.S. patent and U.S. patent application in accordance with 37 CFR 1.98(a)(2)(ii). Applicants submit herewith copies of non-patent references in accordance with 37 CFR 1.98(a)(2).

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be construed *per se* as a representation that such document is prior art. Moreover, Applicant(s) understand(s) the Examiner will make an independent evaluation of the cited documents.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

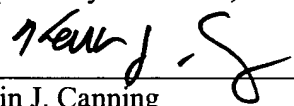
Furthermore, in accordance with 37 CFR 1.704(d), Applicants note that to our knowledge this communication was not received by any individual designated in 1.56(c) more than thirty days prior to the filing of this statement.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. MWS-110. A duplicate copy of this paper is enclosed.

Dated: April 19, 2006

KJC/mch

Respectfully submitted,

By   
Kevin J. Canning  
Registration No.: 35,470  
LAHIVE & COCKFIELD, LLP  
28 State Street  
Boston, Massachusetts 02109  
(617) 227-7400  
(617) 742-4214 (Fax)  
Attorney/Agent For Applicant



PTO/SB/21 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|   |                        |                       |
|---|------------------------|-----------------------|
| <b>TRANSMITTAL<br/>FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/783624-Conf. #7212 |
|   | Filing Date            | February 20, 2004     |
|   | First Named Inventor   | Ricardo E. PAXSON     |
|   | Art Unit               | 2123                  |
|   | Examiner Name          | Not Yet Assigned      |
| Total Number of Pages in This Submission  | Attorney Docket Number | MWS-110               |

| ENCLOSURES (Check all that apply)  |  |  |
|--|--|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Return Receipt Postcard<br>PTO form SB/08<br>Certificate of Mailing<br>Copies of Three (3) References |
| Remarks  |  |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                         |                 |
|--|-------------------------|-----------------|
| Firm Name                                  | LAHIVE & COCKFIELD, LLP |                 |
| Signature                                  |                         |                 |
| Printed name                               | Kevin J. Canning        |                 |
| Date                                       | April 19, 2006          | Reg. No. 35,470 |

|   |            |                    |
|---|------------|--------------------|
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| Dated: April 19, 2006   | Signature: | (Kevin J. Canning) |



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| Substitute for form 1449A/B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | <b>Complete if Known</b> |                       |
|  |   |    |   | Application Number       | 10/783624-Conf. #7212 |
|  |   |    |   | Filing Date              | February 20, 2004     |
|  |   |    |   | First Named Inventor     | Ricardo E. PAXSON     |
|  |   |    |   | Art Unit                 | 2123                  |
|  |   |    |   | Examiner Name            | Not Yet Assigned      |
|  |   |    |   | Attorney Docket Number   | MWS-110               |
| Sheet  | 1 | of | 1 |                          |                       |

| U.S. PATENT DOCUMENTS |                          |  |                  |  |   |
|-----------------------|--------------------------|--|------------------|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                          | Number-Kind Code <sup>2</sup> (if known) | MM-DD-YYYY       |  |   |
|                       | A1*                      | US-5,980,096                             | 11-09-1999       | Cristina Thalhammer-reyero                         |   |
|                       | A2*                      | US-20030215786-A1                        | 11-20-2003       | Hill et al.  |   |

| FOREIGN PATENT DOCUMENTS |                          |   |  |                     |  |   |                |
|--------------------------|--------------------------|---|--|---------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   |  | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |  | MM-DD-YYYY          |  |   |                |
|                          |                          |   |  |                     |  |   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                       |   |  |                |
|---------------------------------|-----------------------|---|--|----------------|
| Examiner Initials               | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.               |  | T <sup>2</sup> |
|                                 | C1                    | Loew, Leslie M., "The Virtual Cell project," <i>Novartis Foundation Symposium</i> , Vol. 247:151-161 (2002)   |  |                |
|                                 | C2                    | Vayttaden, Sharat Jacob et al, "Developing Complex Signaling Models Using GENESIS/Kinetikit," <i>Science's stke</i> , retrieved online at <a href="http://www.stke.org/cgi/content/full/sigtrans;2004/219/p14">http://www.stke.org/cgi/content/full/sigtrans;2004/219/p14</a> |  |                |
|                                 | C3                    | International Search Report for Application No. PCT/US2005/005303, dated March 20, 2006   |  |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|



Application No. (if known): 10/783624

Attorney Docket No.: MWS-110

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Date

Signature

Kevin J. Canning

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35,470  
Registration Number, if applicable

(617) 227-7400  
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Supplemental Information Disclosure Statement (2 pages, in duplicate)  
PTO form SB/08 (5 References) (1 page)  
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